Defense Information Infrastructure (DII)

Common Operating Environment (COE)

Version 3.0.0.6

Version Description Document for the
DII COE Kernel Patch 1 Version 3.0.0.6P1

(Windows NT 4.0)

May 13, 1997

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Table of Contents

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> **NOTE**: Courier font is used to indicate entries to be typed at the keyboard, operating system commands, file and directory names, and screen text. For example:
>
> The file is located in the `DII_DEV` directory.

1.   System Overview

The Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.0.0.6 DII COE Kernel Patch 1 Version 3.0.0.6P1 (Windows NT 4.0) fixes a hanging problem during installation when certain executables (e.g., 16-bit InstallShield `SETUP.EXE`) were run from `PostInstall.bat`, `PreInstall.bat`, and `DEINSTALL.bat` files.

2.   Referenced Documents

The following documents are referenced in this Version Description Document (VDD):

C   *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.0.0.6 Kernel Installation Guide (Windows NT 4.0)*, DII.3006.NT40.IG-1, Inter-National Research Institute (INRI), February 5, 1997.

C   *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.0.0.6 DII COE Kernel Patch 1 Version 3.0.0.6P1 Installation Guide (Windows NT 4.0)*, DII.3006.NT40.KernelP1.3006P1.IG-1, Inter-National Research Institute (INRI), May 13, 1997

C   *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.0.0.6 Version Description Document for the Kernel (Windows NT 4.0)*, DII.3006.NT40.Kernel.VDD-1, Inter-National Research Institute (INRI), February 5, 1997.

3.   Version Description

3.1   Inventory of Materials Released

C   <u>Magnetic media</u>: Two copies of one 3.5" floppy diskette, each containing the DII COE Kernel Patch 1 Version 3.0.0.6P1 for Windows NT 4.0.

C   <u>Soft-copy Documentation</u>: One 3.5" floppy diskette (WordPerfect 6.0 for Windows format) containing the *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.0.0.6 Version Description Document for the DII COE Kernel Patch 1 Version 3.0.0.6P1 (Windows NT 4.0)*, Document Control No. DII.3006.NT40.KernelP1.3006P1.VDD-1, May 13, 1997.

C   <u>Hard-copy Documentation</u>: Two hard copies of the aforementioned VDD.

3.2   Software Changes

Reference the following table for a list of software changes for the DII COE Kernel Patch 1 Version 3.0.0.6P1 (Windows NT 4.0).

DII COE Kernel Patch 1 Version 3.0.0.6P1 (Windows NT 4.0) Software Changes
Total Software Changes: [1]
INRI Number: RTO00001602 **Agency Number**:   None. **Short Description**: Some executables may cause resource contention problems when used during PreInstall, PostInstall, and DEINSTALL processing. **Long Description**: Some executables may cause resource contention problems when used during PreInstall, PostInstall, and DEINSTALL processing. These resource contention problems occur when the any of these executables tries to use a resource that is locked by the COEInstaller. When this occurs, the executable appears to suspend the installation. The deadlock can be resolved by closing the cmd.exe window that launched the executable, which will allow the COEInstaller to finish processing so the executable can obtain the resources it needs. Note that this process may execute out of the normal sequence of events, particularly if multiple segments are selected for installation; therefore, this process should be performed with caution.

4.   Installation Instructions

The DII COE Kernel Patch 1 Version 3.0.0.6P1 (Windows NT 4.0) diskette is a patch segment and must be installed after the Windows NT 4.0 Operating System and the DII COE kernel have been installed. Reference the *DII COE Kernel Installation Guide (Windows NT 4.0)* for instructions on installing the Windows NT Operating System and the DII COE kernel.

Install the DII COE Kernel Patch 1 segment using the COEInstaller. Reference the *DII COE Version 3.0.0.6 DII COE Kernel Patch 1 Version 3.0.0.6P1 Installation Guide (Windows NT 4.0)* for instructions on installing the DII COE Kernel Patch 1 segment.

5. Known Problems and Errors

Reference the following table for a list of known problems and errors with the DII COE Kernel Patch 1 Version 3.0.0.6P1 (Windows NT 4.0). All known problems and errors, with the exception of RTO00001609, apply to DII COE Version 3.0.0.6 and are not specific to this patch.

DII COE Kernel Patch 1 Version 3.0.0.6P1 (Windows NT 4.0) Known Problems and Errors
Total Open Known Problems and Errors: [4]
INRI Number: RTO00001607 **Agency Number:**   None. **Short Description:** Errors appear in the Installation Log when installing segments. **Long Description:** The following error messages appear in the Installation Log when installing segments. These messages appear even though the segment has been removed from the global directory. "Did not update /h/USERS/global/Profiles/C2PC_Default/Accounts File Segment already in global. Did not update /h /USERS/global/globalProfileList file Segment already in global."
INRI Number: RTO00001608 **Agency Number:**   None. **Short Description:** When a segment's deinstallation process fails, the segment only partially deinstalls**.** **Long Description:** When a segment's deinstallation process fails, the segment only partially deinstalls. The following issues were noted: 1) A message generated by the Installer flashes by too quickly to read; 2) the segment is still listed in the Currently Installed Segments panel with a segment type of "UNKN" and a segment size of 0 (its previous size was greater than 0); 3) the Installation Log states that the segment was deinstalled, but error messages follow the entry that state the segment was successfully deinstalled; 4) the segment name is still listed where it was installed initially (even after refreshing the window, the segment name is still displayed); 5) the segment retains the original directory structure by listing the bin, data, and SegDescrip directories although they are empty; and 6) the segment is still listed in the registry. The Installer should clean up completely when deinstalling a segment so the only remnants of a deinstalled segment are the messages in the Installation Log.
INRI Number: RTO00001609 **Agency Number:**   None. **Short Description:** After the COEInstaller patch is deinstalled, the original COEInstaller is not renamed as the executable. **Long Description:** After the COEInstaller patch is deinstalled, the original COEInstaller is not renamed as the executable. To use the original COEInstaller, the user must rename the original COEInstaller file.

DII COE Kernel Patch 1 Version 3.0.0.6P1 (Windows NT 4.0) Known Problems and Errors

INRI Number: RTO00001611

Agency Number: None.

Short Description:
The version number displayed in the Installer window does not show the Patch level.

Long Description:
The version number displayed in the Installer window does not show the Patch level in the Installation Segments panel after reading the TOC or in the Currently Installed Segments panel after installing the segment. For example, the version 3.0.0.6 is displayed rather than 3.0.0.6P1.

6.   Release Notes

1. This patch does *not* resolve the issue of not being able to wait until all descendants have completed execution before returning. In other words, if `PostInstall.bat` has a line that executes `PARENT.EXE` and `PARENT.EXE` causes `CHILD.EXE` to execute, then if `PARENT.EXE` completes before `CHILD.EXE`, the function will move on to the next line of the `PostInstall.bat`, ignorant of the existence of `CHILD.EXE`.

2. After you install the DII COE Kernel Patch 1, you *must* exit the `DII COE Installer` window. If you want to install other patches or segments, exit the `DII COE Installer` window and then double-click on the `DII Installer` icon to re-open the `DII COE Installer` window.

3. If the DII COE Kernel Patch 1 patch is deinstalled (which is not recommended), the original COEInstaller is not renamed as the executable. Therefore, if you deinstall the DII COE Kernel Patch 1, you must perform the following steps:

    (a) **Rename the `COEInstaller.exe` file to `COEInstaller.PATCH`** In the Windows NT Explorer, click *once* on the `COEInstaller.exe` file. From the `File` pull-down menu, click on the `Rename` option. Type `COEInstaller.PATCH` and press [RETURN].

    (b) **Rename the `COEInstaller.B4P1` file to `COEInstaller.exe`** In the Windows NT Explorer, click *once* on the `COEInstaller.B4P1` file. From the `File` pull-down menu, click on the `Rename` option. Type `COEInstaller.exe` and press [RETURN].

4. Reference the *DII COE Version Description Document for the Kernel (Windows NT 4.0)* for more information about the DII COE Version 3.0.0.6 kernel.